Telco Data Check & Analyze

- Write a C++ program to perform some queries on a telco data (comming from stdin) with the following format:
- The first block of data consists of lines (terminated by a line containing #), each line (number of lines can be up to 100000) is under the form:

```
call <from_number> <to_number> <date> <from_time> <end_time>
```

- which is a call from the phone number <from_number> to a phone number <to_number> on <date>, and starting at time-point <from_time>, terminating at time-point <end_time>
- <from_number> and <to_number> are string of 10 characters (a phone number is correct if it contains only digits 0,1,...,9, otherwise, the phone number is incorrect)
- <date> is under the form YYYY-MM-DD (for example 2022-10-21)
- <from_time> and <to_time> are under the form hh:mm:ss (for example, 10:07:23)
- The second block consists of queries (terminated by a line containing #), each query in a line (number of lines can be up to 100000) and belongs to one of the following types:
 - ?check_phone_number: print to stdout (in a new line) value 1 if no phone number is incorrect
 - ?number_calls_from <phone_number>: print to stdout (in a new line) the number of times a call is made from <phone_number>
 - ?number_total_calls: print to stdout (in a new line) the total number of calls of the data
 - ?count_time_calls_from <phone_number>: print to stdout (in a new line) the total time duration (in seconds)
 the calls are made from <phone_number>

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• Example

stdin	stdout
call 0912345678 0132465789 2022-07-12 10:30:23	1
10:32:00	2
call 0912345678 0945324545 2022-07-13 11:30:10	4
11:35:11	398
call 0132465789 0945324545 2022-07-13 11:30:23	120
11:32:23	
call 0945324545 0912345678 2022-07-13 07:30:23	
07:48:30	
#	
?check_phone_number	
?number_calls_from 0912345678	
?number_total_calls	
?count_time_calls_from 0912345678	
?count_time_calls_from 0132465789	
#	